

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN03/00585

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ A63H 5/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ A63H 5/04, 5/00, 33/36, 33/40, 33/42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US, A, 4109608 (Horikawa) 29. Aug 1978 (29. 08. 78) whole document	1-4
A	US, A, 4215512 (Philipson) 05. Aug 1980 (05. 08. 80) whole document	1-4
A	CN, Y, 2218013 (LIU, Yongzeng) 24. 1 月 1996 (24. 01. 96) whole document	1-4

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
20. Oct 2003 (20. 10. 03)

Date of mailing of the international search report

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN, U, 2068411 (ZOU, Guoli et al) 02. Jan 1991 (02. 01. 91) whole document	1-4

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN03/00585

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US, A, 4109608	29. Aug 1978	JP, A, 53116943	12. Oct 1978
		JP, B, 59022538	28. May 1984
		JP, C, 1257063	29. Mar 1985
US, A, 4215512	05. Aug 1980	NONE	
CN, Y, 2218013	24. Jan 1996	NONE	
CN, U, 2068411	02. Jan 1991	NONE	

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